

ABSTRACT OF THE DISCLOSURE

A magnetically positioned precision holder for optical components in an optical device comprises a carrier for replaceably holding at least one optical component. The carrier is arranged in positionally adjustable fashion in a housing recess including a precision
5 stop surface. Magnet pairs (A1/A2 and B1/B2) are oriented with identical polarity being provided in order to achieve a continuous contact pressure of the carrier (2; 3) against the stop surface (6), in such a way that the one magnet (A1, B1) is located in the recess and the corresponding magnet (A2, B2) is located in the carrier. The use of identically poled magnet pairs for movable precision holders and for precision positioning systems is also proposed.